

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/869,185

DATE: 10/29/2001

TIME: 11:33:59

Input Set : A:\ES.txt

Output Set: N:\CRF3\10292001\I869185.raw

3 <110> APPLICANT: Ashikari, Toshihiko
4 Ochiai, Misa
6 <120> TITLE OF INVENTION: Method of Breeding Yeast
8 <130> FILE REFERENCE: 46221
10 <140> CURRENT APPLICATION NUMBER: US 09/869,185
12 <141> CURRENT FILING DATE: 2001-6-25 *edit date format 2001-06-25*
14 <150> PRIOR APPLICATION NUMBER: PCT/JP00/07491
16 <151> PRIOR FILING DATE: 2000-10-26
18 <160> NUMBER OF SEQ ID NOS: 28
20 <210> SEQ ID NO: 1
22 <211> LENGTH: 34
24 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence ✓
28 <220> FEATURE:
30 <223> OTHER INFORMATION: The FRT sequence used in the present invention contains SE ✓
ID NO:1
32 <400> SEQUENCE: 1
33 gaagttccta tactttctag agaataggaa cttc 34
36 <210> SEQ ID NO: 2
38 <211> LENGTH: 31
40 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence ✓
44 <220> FEATURE:
46 <223> OTHER INFORMATION: FRT2 which is one of a pair of FRT sequences (FRT2/FRT102) ✓
used in a DNA
47 construct of the present invention
49 <400> SEQUENCE: 2
50 gaagttccta tactttctag agaataggaa c 31
53 <210> SEQ ID NO: 3
55 <211> LENGTH: 31
57 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence ✓
61 <220> FEATURE:
63 <223> OTHER INFORMATION: FRT102 which is one of a pair of FRT sequences (FRT2/FRT102) ✓
used in a DNA
64 construct of the present invention
66 <400> SEQUENCE: 3
67 gttcctatac tttctagaga ataggaactt c 31
70 <210> SEQ ID NO: 4
72 <211> LENGTH: 28
74 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence ✓
78 <220> FEATURE:
80 <223> OTHER INFORMATION: FRT2W sequence reconstructed by recombination from a pair of ✓
FRT sequences
81 (FRT2/FRT102)
83 <400> SEQUENCE: 4
84 gttcctatac tttctagaga ataggaac 28

87 <210> SEQ ID NO: 5
89 <211> LENGTH: 29
91 <212> TYPE: DNA

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93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 97 <223> OTHER INFORMATION: FRT3 which is one of a pair of FRT sequences (FRT3/FRT103)
 used in a DNA
 98 construct of the present invention
 100 <400> SEQUENCE: 5
 101 gaagttccta tactttctag agaatagga 29
 104 <210> SEQ ID NO: 6
 106 <211> LENGTH: 30
 108 <212> TYPE: DNA
 110 <213> ORGANISM: Artificial Sequence
 112 <220> FEATURE:
 114 <223> OTHER INFORMATION: FRT103 which is one of a pair of FRT sequences (FRT3/FRT103)
 used in a DNA
 115 construct of the present invention
 117 <400> SEQUENCE: 6
 118 ttctataact ttctagagaa taggaacttc 30
 121 <210> SEQ ID NO: 7
 123 <211> LENGTH: 25
 125 <212> TYPE: DNA
 127 <213> ORGANISM: Artificial Sequence
 129 <220> FEATURE:
 131 <223> OTHER INFORMATION: FRT3W sequence reconstructed by recombination from a pair of
 FRT sequences
 132 (FRT3/FRT103)
 134 <400> SEQUENCE: 7
 135 ttctataact ttctagagaa tagga 25
 138 <210> SEQ ID NO: 8
 140 <211> LENGTH: 27
 142 <212> TYPE: DNA
 144 <213> ORGANISM: Artificial Sequence
 146 <220> FEATURE:
 148 <223> OTHER INFORMATION: FRT4 which is one of a pair of FRT sequences (FRT4/FRT104)
 used in a DNA
 149 construct of the present invention
 151 <400> SEQUENCE: 8
 152 gaagttccta tactttctag agaatag 27
 155 <210> SEQ ID NO: 9
 157 <211> LENGTH: 27
 159 <212> TYPE: DNA
 161 <213> ORGANISM: Artificial Sequence
 163 <220> FEATURE:
 165 <223> OTHER INFORMATION: FRT104 which is one of a pair of FRT sequences (FRT4/FRT104)
 used in a DNA
 166 construct of the present invention
 168 <400> SEQUENCE: 9
 169 ctatactttc tagagaatag gaacttc 27
 172 <210> SEQ ID NO: 10
 174 <211> LENGTH: 20
 176 <212> TYPE: DNA
 178 <213> ORGANISM: Artificial Sequence
 180 <220> FEATURE:
 182 <223> OTHER INFORMATION: FRT4W sequence reconstructed by recombination from a pair of

FRT sequences

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(FRT4/FRT104)

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185 <400> SEQUENCE: 10
186 ctatacttttc tagagaatag                                20
189 <210> SEQ ID NO: 11
191 <211> LENGTH: 40
193 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence ✓
197 <220> FEATURE:
199 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-a sequence
(including wild-
200     type FRT sequence) into a plasmid
202 <400> SEQUENCE: 11
203 tcgacgaagt tcctatactt tctagagaat aggaacttcg            40
206 <210> SEQ ID NO: 12
208 <211> LENGTH: 40
210 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence ✓
214 <220> FEATURE:
216 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-b sequence
(including wild-
217     type FRT sequence) into a plasmid
219 <400> SEQUENCE: 12
220 aattcgaagt tcctattctc tagaaagtat aggaacttcg            40
223 <210> SEQ ID NO: 13
225 <211> LENGTH: 44
227 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence ✓
231 <220> FEATURE:
233 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-a sequence
(including
234     wild-type FRT sequence) into a plasmid
236 <400> SEQUENCE: 13
237 agcttgaagt tcctatactt tctagagaat aggaacttcg catg      44
240 <210> SEQ ID NO: 14
242 <211> LENGTH: 36
244 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence ✓
248 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-b sequence
(including
251     wild-type FRT sequence) into a plasmid
253 <400> SEQUENCE: 14
254 cgaagttcct attctctaga aagtatagga acttca                36
257 <210> SEQ ID NO: 15
259 <211> LENGTH: 16
261 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence ✓
265 <220> FEATURE:
267 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-a sequence
269 <400> SEQUENCE: 15
270 ctagagaata ggaacg                                       16
273 <210> SEQ ID NO: 16
275 <211> LENGTH: 16
277 <212> TYPE: DNA

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279 <213> ORGANISM: Artificial Sequence ✓
281 <220> FEATURE: ✓
283 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-b sequence
285 <400> SEQUENCE: 16
286 aattcggttcc tattct 16
289 <210> SEQ ID NO: 17
291 <211> LENGTH: 18
293 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence ✓
297 <220> FEATURE: ✓
299 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-a sequence
301 <400> SEQUENCE: 17
302 agcttggttcc tatacttt 18
305 <210> SEQ ID NO: 18
307 <211> LENGTH: 18
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence ✓
313 <220> FEATURE: ✓
315 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-b sequence
317 <400> SEQUENCE: 18
318 ctagaaagta taggaaca 18
321 <210> SEQ ID NO: 19
323 <211> LENGTH: 14
325 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence ✓
329 <220> FEATURE: ✓
331 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-a sequence
333 <400> SEQUENCE: 19
334 ctagagaata ggag 14
337 <210> SEQ ID NO: 20
339 <211> LENGTH: 14
341 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence ✓
345 <220> FEATURE: ✓
347 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-b sequence
349 <400> SEQUENCE: 20
350 aattctccta ttct 14
353 <210> SEQ ID NO: 21
355 <211> LENGTH: 16
357 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence ✓
361 <220> FEATURE: ✓
363 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-a sequence
365 <400> SEQUENCE: 21
366 agctttccta tacttt 16
369 <210> SEQ ID NO: 22
371 <211> LENGTH: 16
373 <212> TYPE: DNA
375 <213> ORGANISM: Artificial Sequence ✓

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/869,185

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Input Set : A:\ES.txt

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377 <220> FEATURE:
379 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-b sequence
381 <400> SEQUENCE: 22
382 ctagaaagta taggaa 16
385 <210> SEQ ID NO: 23
387 <211> LENGTH: 12
389 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence ✓
393 <220> FEATURE:
395 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-a sequence
397 <400> SEQUENCE: 23
398 ctagagaata gg 12
401 <210> SEQ ID NO: 24
403 <211> LENGTH: 12
405 <212> TYPE: DNA
407 <213> ORGANISM: Artificial Sequence ✓
409 <220> FEATURE:
411 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-b sequence
413 <400> SEQUENCE: 24
414 aattcctatt ct 12
417 <210> SEQ ID NO: 25
419 <211> LENGTH: 14
421 <212> TYPE: DNA
423 <213> ORGANISM: Artificial Sequence ✓
425 <220> FEATURE:
427 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-a sequence
429 <400> SEQUENCE: 25
430 agcttctata cttt 14
433 <210> SEQ ID NO: 26
435 <211> LENGTH: 14
437 <212> TYPE: DNA
439 <213> ORGANISM: Artificial Sequence ✓
441 <220> FEATURE:
443 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-b sequence
445 <400> SEQUENCE: 26
446 ctagaaagta taga 14
448 <210> SEQ ID NO: 27
450 <211> LENGTH: 29
452 <212> TYPE: DNA
454 <213> ORGANISM: Artificial Sequence ✓
456 <220> FEATURE:
458 <223> OTHER INFORMATION: Oligonucleotide (GIN-1) synthesized to prepare a plasmid
containing GIN11
460 <400> SEQUENCE: 27
461 tggatccgga atttcgacgg atcaataac 29
464 <210> SEQ ID NO: 28
466 <211> LENGTH: 35
468 <212> TYPE: DNA
470 <213> ORGANISM: Artificial Sequence
472 <220> FEATURE:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/869,185

DATE: 10/29/2001

TIME: 11:34:01

Input Set : A:\ES.txt

Output Set: N:\CRF3\10292001\I869185.raw

L:12 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD

STATISTICS SUMMARY

PATENT APPLICATION: US/09/869,185

DATE: 10/29/2001

TIME: 11:34:01

Input Set : A:\ES.txt

Output Set: N:\CRF3\10292001\I869185.raw

Application Serial Number: US/09/869,185

Alpha or Numeric: Numeric

Application Class:

Application File Date: 06-25-2001

Art Unit: PCT09

Software Application:

Total Number of Sequences: 28

Total Nucleotides: 686

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 1

Number of Corrections: 0

MESSAGE SUMMARY

256 W: 1 (Invalid Numeric Header Field)